

FORM PTO-1449  
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
44375/4:10APPLICATION NO.  
10/092,661INFORMATION DISCLOSURE CITATION  
(Uses several sheets if necessary)APPLICANT  
Dan A PRESTONFILING DATE  
March 6, 2002GROUP  
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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
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## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
IM	AL	EP 0 242 099 A2	10/21/87	EPO				
IM	AM	EP 512 789 A2	11/11/92	EPO				
IM	AN	EP 0 528 090 A1	2/24/93	EPO				
IM	AO	EP 0 545 783 A1	6/9/93	EPO			X	
IM	AP	DE 4424412	1/18/96	Germany			X	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

IM	AQ	International Search Report, PCT/US00/13288, 11/17/2000						
IM	AR	International Search Report, PCT/US01/20221, 8/21/2001						
IM	AS	Coleman et al., "Subjective Performance Evaluation of the RPE-LTP Codec for the Pan-European Cellular Digital Mobile Radio System," <i>IEEE</i> , 1989, pp. 758-761. (Best available copy)						

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	BA						
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## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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IM	BL	WO89/12835	12/28/89	PCT				
IM	BM	WO95/21511	8/10/95	PCT				
IM	BN	WO96/15636	5/23/96	PCT				
IM	BO	WO96/18275	6/13/96	PCT				
IM	BP	WO98/53573	11/26/98	PCT				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

IM	BQ	Lin et al., "Data Compression of Voiceband Modem Signals," <i>IEEE</i> , 1990, pp. 323-325. (Best available copy)						
IM	BR	Mueller et al. "A DSP Implemented Dual 9600/7200 bps TCM Modem for Mobile Communications Over FM Voice Radios," <i>IEEE</i> , 1997, pp. 758-761. (Best available copy)						
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IM	CL	WO98/59257	12/30/98	PCT				
IM	CM	WO99/36795	7/22/99	PCT				
IM	CN	WO99/49677	9/30/99	PCT				
IM	CO	WO99/56143	11/4/99	PCT				
IM	CP	WO99/56144	11/4/99	PCT				
IM	CQ	WO00/11893	3/2/00	PCT				

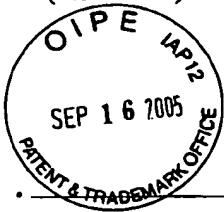
## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

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44735/4:10APPLICATION NO.  
10/092,461INFORMATION DISCLOSURE CITATION  
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Dan A. PRESTON et al.FILING DATE  
March 6, 2002GROUP  
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
IM	AA	5,218,618	6/8/1993	Sagey			
IM	AB	5,918,180	6/29/1999	Dimino			
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(Uses several sheets if necessary)APPLICANTS: Dan A. Preston, *et al.*FILING DATE:  
March 6, 2002GROUP:  
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## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
IM	AL	0 545 783 A1	9.6.93	European Patent Office	H04L	27/32	✓	
	AM							
	AN							
	AO							
	AP							

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

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APPLICANTS: Dan A. Preston et al.

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INFORMATION DISCLOSURE CITATION  
(Use several sheets if necessary)

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
IM	AA	5 0 4 3 7 3 6	8/1991	Darnell et al.	342	357	
IM	AB	5 2 0 1 0 7 1	4/1993	Webb	455	101	
IM	AC	5 2 3 5 6 3 3	8/1993	Dennison et al.	379	60	
IM	AD	5 3 6 5 4 5 0	11/1994	Schuchman et al.	364	449	
IM	AE	5 3 8 8 1 4 7	2/1995	Grimes	379	59	
IM	AF	5 4 2 2 8 1 6	6/1995	Sprague et al.	364	449	
IM	AG	5 4 7 9 4 8 0	12/1995	Scott			
IM	AH	5 4 8 3 5 4 9	1/1996	Weinberg et al.	375	200	
IM	AI	5 5 1 9 4 0 3	5/1996	Bickley et al.	342	352	
IM	AJ	5 5 3 9 8 1 0	7/1996	Kennedy, III et al.	379	59	
IM	AK	5 5 4 6 4 4 5	8/1996	Dennison et al.	379	60	

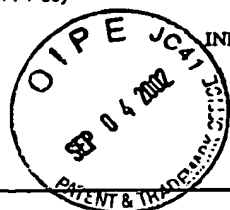
## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL	WO 89/12835	12/1989	WIPO	G01S	5/02		
	AM	0512789A2	5/1992	European Patent-Office	G01S	5/14		
	AN	0545783	9.6.93	European Patent Office	H04L	27/32		
	AO	WO 96/18275	6/1996	WIPO	H04Q	7/32		
	AP	WO 98/53573	11/1998	WIPO	H04L			

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

EXAMINER	AR	PCT International Search Report dated 27.11.00 for International Application No. PCT/US00/13288.
	AS	Mueller, A.J., et al., "A DSP Implemented Dual 9600/7200 BPS TCM Modem for Mobile Communications Over FM Voice Radios,"
		Proceedings of the 1997 6 <sup>th</sup> IEEE Pacific Rim Conference on Communications, Computers and Signal Processing, Vol. 2, 20-22,
		August 1997, pages 758-761, IEEE, New York, New York.
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
IM	AA	5 5 5 5 2 8 6	9/1996	Tendler	379	59	
IM	AB	5 5 7 2 2 0 4	11/1996	Timm et al.	340	988	
IM	AC	5 5 8 7 7 1 5	12/1996	Lewis	342	357	
IM	AD	5 6 3 0 2 0 6	5/1997	Urban et al.	455	54.1	
IM	AE	5 6 8 6 9 1 0	11/1997	Timm et al.	340	988	
IM	AF	5 6 8 7 2 1 5	11/1997	Timm et al.	379	58	
IM	AG	5 7 1 2 8 9 9	1/1998	Pace, II	379	58	
IM	AH	5 7 2 6 8 9 3	3/1998	Schuchman et al.	364	449.7	
IM	AI	5 7 2 6 9 8 4	3/1998	Kubler et al.	370	349	
IM	AJ	5 7 8 6 7 8 9	7/1998	Janky			
IM	AK	5 8 1 2 0 8 7	9/1998	Krasner	342	357	

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
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	AL	WO 99/49677	30.9.99	WIPO	H04Q	7/22		
	AM	WO 00/11893	2.3.00	WIPO	H04Q	7/00		
	AN							
	AO							
	AP							

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

AR	Coleman, A., et al., "Subjective Performance Evaluation of the RPE-LTP Coded for the Pan-European Cellular Digital Mobile Radio System," Globecom '89, IEEE Global Telecommunications Conference and Exhibition, Vol. 2, 27-30, November 1989, pages 1075-1079, IEEE, New York, New York.
AS	Lin, D., et al., "Data Compression of Voiceband Modem Signals," 40th IEEE Vehicular Technology Conference: One the Move in the 90's, 6-9 May 1990, pages 323-325, IEEE, New York, New York.
AT	PCT-International Search Report dated 3 January 2002 for International Application No. PCT/US01/20021.

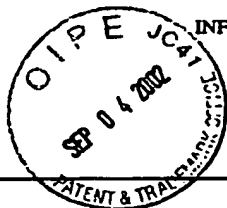
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IM	AA	5 9 4 5 9 4 4	8/1999	Krasner	342	357.06	
IM	AB	5 9 4 6 6 1 1	8/1999	Dennison et al.	455	404	
IM	AC	6 0 0 2 3 6 3	12/1999	Krasner	342	357.1	
IM	AD	6 0 2 1 1 6 3	2/2000	Hoshi	375	272	
IM	AE	6 1 4 0 9 5 6	10/2000	Hillman et al.	342	357.07	
IM	AF	6 2 2 6 5 2 9	5/2001	Bruno et al.	455	557	
IM	AG	R E 3 5 9 1 6	10/1998	Dennison et al.	455	456	
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